

Learning to Fly: The Wright Brother's Adventure			
2008 Mathematics			
Grade Level Articulations			
Arizona Mathematics			
Grade 6			
Activity/Lesson	State	Standards	
Wright Brothers: 1900 Glider	AZ	MA.6.4.4.PO 1	Determine the appropriate unit of measure for a given context and the appropriate tool to measure to the needed precision (including length, capacity, angles, time, and mass).
Wright Brothers: 1901 Glider	AZ	MA.6.4.4.PO 1	Determine the appropriate unit of measure for a given context and the appropriate tool to measure to the needed precision (including length, capacity, angles, time, and mass).
Wright Brothers: 1902 Glider	AZ	MA.6.4.4.PO 1	Determine the appropriate unit of measure for a given context and the appropriate tool to measure to the needed precision (including length, capacity, angles, time, and mass).
Wright Brothers: 1903 Flyer	AZ	MA.6.4.4.PO 1	Determine the appropriate unit of measure for a given context and the appropriate tool to measure to the needed precision (including length, capacity, angles, time, and mass).
New Data	AZ	MA.6.4.4.PO 1	Determine the appropriate unit of measure for a given context and the appropriate tool to measure to the needed precision (including length, capacity, angles, time, and mass).
1902: Success at Last	AZ	MA.6.1.1.PO 4	Compare and order integers; and positive fractions, decimals, and percents.
1902: Success at Last	AZ	MA.6.4.4.PO 1	Determine the appropriate unit of measure for a given context and the appropriate tool to measure to the needed precision (including length, capacity, angles, time, and mass).
1902: Success at Last	AZ	MA.6.2.1.PO 4	Compare two or more sets of data by identifying trends.
1903: Powered Flight	AZ	MA.6.1.1.PO 3	Demonstrate an understanding of fractions as rates, division of whole numbers, parts of a whole, parts of a set, and locations on a real number line.
1903: Powered Flight	AZ	MA.6.1.2.PO 3	Divide multi-digit whole numbers and decimals by decimal divisors with and without remainders.
1903: Powered Flight	AZ	MA.6.1.3.PO 2	Make estimates appropriate to a given situation and verify the reasonableness of the results.

1903: Powered Flight	AZ	MA.6.3.2.PO 1	Recognize and describe a relationship between two quantities, given by a chart, table, or graph, using words and expressions.
1903: Powered Flight	AZ	MA.6.4.4.PO 1	Determine the appropriate unit of measure for a given context and the appropriate tool to measure to the needed precision (including length, capacity, angles, time, and mass).
1903: Powered Flight	AZ	MA.6.4.4.PO 3	Estimate the measure of objects using a scale drawing or map.
1903: Powered Flight	AZ	MA.6.5.2.PO 7	Isolate and organize mathematical information taken from symbols, diagrams, and graphs to make inferences, draw conclusions, and justify reasoning.
Learning to Fly: The Wright Brother's Adventure			
2008 Mathematics			
Grade Level Articulations			
Arizona Mathematics			
Grade 7			
Activity/Lesson	State	Standards	
1902: Success at Last	AZ	MA.7.1.1.PO 1	Recognize and convert between expressions for positive and negative rational numbers, including fractions, decimals, percents, and ratios.
1902: Success at Last	AZ	MA.7.1.2.PO 3	Solve problems involving percentages, ratio and proportion, including tax, discount, tips, and part/whole relationships.
1903: Powered Flight	AZ	MA.7.1.2.PO 1	Add, subtract, multiply, and divide integers.
1903: Powered Flight	AZ	MA.7.1.2.PO 2	Solve problems with rational numbers and appropriate operations using exact answers or estimates.
1903: Powered Flight	AZ	MA.7.1.3.PO 1	Estimate and apply benchmarks for rational numbers and common irrational numbers.
1903: Powered Flight	AZ	MA.7.1.3.PO 2	Make estimates appropriate to a given situation.
1903: Powered Flight	AZ	MA.7.1.3.PO 4	Estimate the measure of an object in one system of units given the measure of that object in another system and the approximate conversion factor.
1903: Powered Flight	AZ	MA.7.2.1.PO 1	Solve problems by selecting, constructing, and interpreting displays of data including multi-line graphs and scatterplots.
1903: Powered Flight	AZ	MA.7.3.1.PO 1	Recognize, describe, create, and analyze numerical and geometric sequences using tables or graphs; make conjectures about these sequences.
1903: Powered Flight	AZ	MA.7.3.4.PO 1	Use graphs and tables to model and analyze change.

1903: Powered Flight	AZ	MA.7.4.4.PO 4	Determine actual lengths based on scale drawings or maps.
1903: Powered Flight	AZ	MA.7.4.4.PO 7	Measure to the appropriate degree of accuracy and justify reasoning.
1903: Powered Flight	AZ	MA.7.5.2.PO 7	Isolate and organize mathematical information taken from symbols, diagrams, and graphs to make inferences, draw conclusions, and justify reasoning.
Learning to Fly: The Wright Brother's Adventure			
2008 Mathematics			
Grade Level Articulations			
Arizona Mathematics			
Grade 8			
Activity/Lesson	State	Standards	
1901: The First Improvement	AZ	MA.8.3.3.PO 3	Analyze situations, simplify, and solve problems involving linear equations and inequalities using the properties of the real number system.
1902: Success at Last	AZ	MA.8.1.2.PO 3	Solve problems involving percent increase, percent decrease, and simple interest rates.
1902: Success at Last	AZ	MA.8.2.1.PO 2	Make inferences by comparing the same summary statistic for two or more data sets.
1903: Powered Flight	AZ	MA.8.1.3.PO 1	Make estimates appropriate to a given situation.
1903: Powered Flight	AZ	MA.8.1.3.PO 2	Estimate the location of rational and common irrational numbers on a number line.
1903: Powered Flight	AZ	MA.8.3.1.PO 1	Recognize, describe, create, and analyze numerical and geometric sequences using tables, graphs, words, or symbols; make conjectures about these sequences.
1903: Powered Flight	AZ	MA.8.3.2.PO 1	Sketch and interpret a graph that models a given context; describe a context that is modeled by a given graph.
1903: Powered Flight	AZ	MA.8.5.2.PO 7	Isolate and organize mathematical information taken from symbols, diagrams, and graphs to make inferences, draw conclusions, and justify reasoning.
Learning to Fly: The Wright Brother's Adventure			
2008 Mathematics			
Grade Level Articulations			
Arizona Mathematics			
Grades 9-10			
Activity/Lesson	State	Standards	
1902: Success at Last	AZ	MA.9-10.1.1.PO 3	Express that the distance between two numbers is the absolute value of their difference.

1902: Success at Last	AZ	MA.9-10.2.1.PO 4	Make inferences by comparing data sets using one or more summary statistics.
1903: Powered Flight	AZ	MA.9-10.1.1.PO 3	Express that the distance between two numbers is the absolute value of their difference.
1903: Powered Flight	AZ	MA.9-10.1.3.PO 2	Use estimation to determine the reasonableness of a solution.
1903: Powered Flight	AZ	MA.9-10.1.3.PO 4	Estimate the location of the rational or irrational numbers on a number line.
1903: Powered Flight	AZ	MA.9-10.3.1.PO 1	Recognize, describe, and analyze sequences using tables, graphs, words, or symbols; use sequences in modeling.
1903: Powered Flight	AZ	MA.9-10.3.2.PO 1	Sketch and interpret a graph that models a given context, make connections between the graph and the context, and solve maximum and minimum problems using the graph.
1903: Powered Flight	AZ	MA.9-10.3.2.PO 2	Determine if a relationship represented by an equation, graph, table, description, or set of ordered pairs is a function.
1903: Powered Flight	AZ	MA.9-10.3.2.PO 4	Use equations, graphs, tables, descriptions, or sets of ordered pairs to express a relationship between two variables.
1903: Powered Flight	AZ	MA.9-10.4.3.PO 3	Determine the distance between two points in the coordinate plane.